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# CT-2005

# USER MANUAL

**Rev 1.00**

## Features

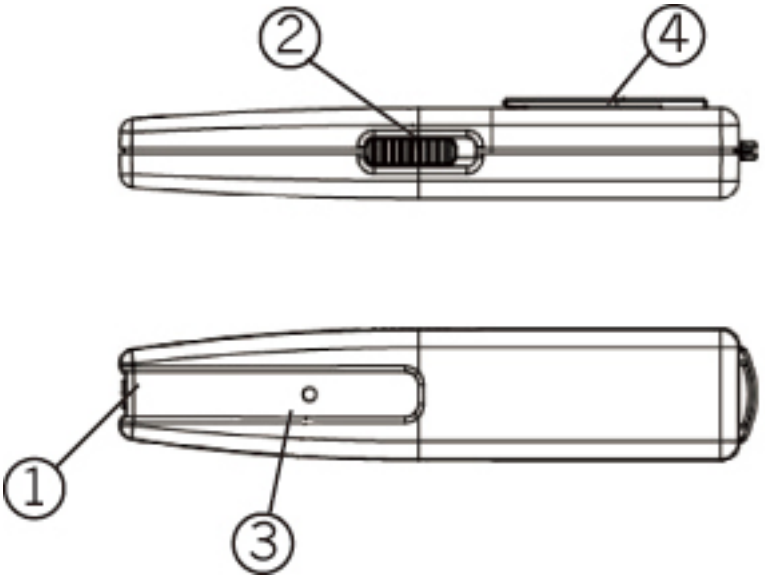
The CT－2005 Fiber Checker is used for checking the defects of a fiber cable. It sends a visible 650nm wavelength red laser light through fiber optic cables, the breaks or faults in the fiber will refract the light, creating a bright glow around the faulty area.

The universal connector can be used for the most common fiber interfaces such as ST/SC/FC/FDDA. It is suitable to test both single－mode and multi－mode cables. With an optional 2.5mm to 1.25mm adapter, users can even test for 1.25mm fiber cables.

The visibility is up to 5 kilometers. There is also a specially designed power circuit included; it provides steady power which avoids unstable laser output when the battery is low.
The output signal can be switched between CW or Pulse mode to get different visual effects.
There is a dustproof cover which will prevent dust from getting into the inside of the interface.
The cover also helps avoid incidental exposure of the laser to your eyes.

## APPEARANCES

1. Dustproof cover (a universal type fiber connector inside)
2. 3 Sections slide switch: CW/Pulse/Power Off
3. Power indicator
4. Pen－clip



## SPECIFICATIONS

- Laser class: Class 2 laser product DIN EN 60825 – 1: 2007
- Wavelength: 650nm±10nm@25ºC
- Spectral width: <10nm
- Output Power:
  >600μW@25ºC into 9μm fiber
- Mode: CW/Pulse
- Battery: AAA 1.5V X 2
- Indicator: Power/Battery low
- Output power reliable: +/ – 0.2mW
- Spectral width: <10nm
- Range: Visibility to 5km
- Operating temp: 0 to 50ºC
- Storage temp: 0 to 70ºC

## OPERATION

- Powered by two 1.5V AAA batteries.
- Lift the front dustproof up and insert the fiber cable to the universal connecter. Switch the slide switch to CW or Pulse position, the power indicator LED lights green. (Red light represents power low, please replace the batteries).
- A visible 650nm wavelength red laser is visible through the fiber optic cable, the breaks or faults in the fiber will refract the light and create a bright glow around the faulty area.
- This product has been passed through FDA Laser safety certifications, but we still highly recommend that you avoid any exposure to your eyes.

## CAUTIONS

- Attention if the device is used for different fields of application as suggested, it may cause severe harm through laser rays.
- Keep the device safely stored and out of the reach of children
- Never point the laser beam directed at persons
- Do not stare into the laser beam or the reflected laser beam
- If laser radiation enters the eye, the eyes are deliberately to be close and you’ re your immediately away from beam
- Any manipulations (changes) to the laser device are prohibited
- These instructions are to be kept and to give forward when passing the laser device to another user